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C-A OPERATIONS PROCEDURES MANUAL

ATTACHMENT

11.4.3.b STAR Power Supply START-UP Check Off List

	C-A-OP	M Proce	dures in w	hich this At	tachme	nt is used.
	11.4.3					
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		<u>Ha</u>	and Proces	ssed Changes	<u>s</u>	
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		Coll	naer-Acce	lerator Depa	ırıment	Chairman

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STAR Power Supply START-UP Check Off List

1.	. Request permission from the <i>STAR Power Supply Operator</i> to ener the STAR Main Magnet Power Supplies.	·gize	[]
	Authorized By:, Time:,	Date:	·
2.	. Request permission from <i>C-A Main Control Room Operations Coo</i> STAR Main Magnet Power Supplies.	ordinator to energ	gize the
	Authorized By:, Time:,	Date:	•
3.	 Request STAR Power Supply Operator to set all power supplies set Space Trim East PS. Space Trim West PS. Pole Tip Trim East (PTT-EAST) PS. Pole Tip Trim West (PTT-WEST) PS . Main Magnet PS. 	:-points to zero:	[] [] [] []
4.	Request the <i>Pump Room Operator</i> to turn on the <i>STAR</i> power supp water system.	ly	[]
5.	 Switch all power supplies to local control: Switch Space Trim East PS Local/Remote switch to LO Switch Space Trim West PS Local/Remote switch to LO Switch Pole Tip Trim East PS Local/Remote switch to I Switch Pole Tip Trim west PS Local/Remote switch to I Switch Main Magnet PS Local/Remote switch to LOCA 	OCAL LOCAL LOCAL	
6.	Review the power supply logbook for any work done on the power state if any system was tagged or locked, these tags or locks have been from these systems.	11	•
7.	. The review of the power supply logbook shows that work was done the power supplies, then a visual inspection of the transformers must any shorting bus was removed from the transformers properly.	-	
8.	. Lock all power supply doors and return door Kirk lock keys to Power transfer locks:	er Supply	
	 4.3 MW Main Magnet PS: Lock all PS and external cap cabinet doors and return Kirk lock keys (4 each, 1D) to 7 Remove Kirk lock key 1B from Transfer lock 'D' and in into transfer lock 'B'. 	Transfer Lock ' D ' sert the 1B key	'.[] []

(3 each, 2C) to Transfer Lock 'C'.	[]
• Remove Kirk lock key 2B from Transfer lock 'C' and insert the 2B key	
into transfer lock 'B'.	[]
PTT-WEST PS: Lock all PS doors and return Kirk lock keys	
(3 each, 3E) to Transfer Lock 'E'.	[]
• Remove Kirk lock key 3B from Transfer lock E' and insert	
the 3B key into transfer lock 'B' .	[]
SPACE TRIM-EAST: Lock PS door and return Kirk lock key Transfer Lock P2	r 1
5B to Transfer Lock 'B'.	[]
 SPACE TRIM-WEST: Lock PS door and return Kirk lock key 4B to Transfer Lock 'B'. 	[]
 Remove the PS Access Control key 6B from Transfer Lock 'B'. 	LJ
The 6B key shall remain with CAS Watch Operations.	[]
 Remove Kirk lock key 7X from Transfer Lock 'B' and 	LJ
insert the key into transfer lock 'A'.	[]
9. Energize 120 VAC control circuit breakers on PSCP panel and within each Power	Supply
control compartment:	
Verify that each power supply is clear of all personnel prior to energ	gizing th
120 Vac control power.	
 4.3 MW Main Magnet PS and PSCP Breaker No.2. 	[]
PTT-EAST PS and PSCP Breaker No.1.	[]
 PTT-WEST PS and PSCP Breaker No.3. 	[]
 Space-Trim East & West PS rack PSCP Breaker No.4. 	[]
• 13.8 KV SwitchGear PSCP Breaker No.5.	[]
 Fiber Optic PLC Module Box PSCP Breaker No.6. 	[]
10. Main Magnet 13.8 KV circuit breaker:	
• Unlock 13.8 KV circuit breaker door with UEB-19 key.	[]
• Remove the Kirk lock 1A key from the 'A' Transfer lock.	[]
 Unlock the 13.8 KV Circuit Breaker with Kirk lock 1A key, 	
the 1A key will now remain captive in the 1A lock.	[]
 Place the 13.8 KV Circuit Breaker in the run position, 	
(fully inserted).	[]
• Lock 13.8 KV circuit breaker door with UEB-19 lock.	[]
11. PTT-EAST AC Fused Disconnect Switch:	
 Remove key 2A from Transfer Lock 'A' and insert the key in PTT-EAST Disconnect Switch Kirk Lock 2A. 	гэ
	[]
 Move the PTT-EAST switch handle to the ON position. 	[]
12. PTT-WEST AC Fused Disconnect Switch:	
Remove key 3A from Transfer Lock 'A' and insert the	
key in PTT-WEST Disconnect Switch Kirk Lock 3A.	[]
 Move the PTT-WEST switch handle to the ON position. 	[]
	LJ

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